

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 6:59 AM

**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 1128 Const Calendar Day: 701 Date: 06-May-2014 Tuesday

Inspector Name: Brignano, Bob Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex Approved Date: Status: Submit

**04-0120F4  
04-SF-80-13.2/13.9  
Self-Anchored  
Suspension Bridge****Weather**

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition clear

Working Day ☒ If no, explain:**Diary:**

Dispute

**General Comments**

CCO 314, SAMPLING AND TESTING A354 GRADE BD MATERIAL:

ABF Engineer Kelvin Chen is working part time in the field and office on CCO 314.

Crews at the Pier 7 warehouse area are working an 8-hour shift 0700 through 1530 today. There is work in the field on setup of TR's 14-17. Laborer Carlos (Pedro) Garcia works all day on CCO 314. Ironworkers Jared Garrett and Kyle Crowley work part time today on CCO 314, with the remainder of their day on non-CCO 314 operations elsewhere at the Pier 7 warehouse area that are not covered by this diary.

Laborer Carlos (Pedro) Garcia works at the test rigs cleaning up after the grinding and welding in previous weeks at the test rigs. This involves sweeping and vacuuming. The shop vacuum is used inside and outside of the test rig boxes. By the end of yesterday, he was complete with this cleaning at TR's 14 and 15 (formerly TR's 1 and 2), and today he works at TR's 16 and 17 (formerly TR's 3 and 4). By the end of today, he is complete inside of all test rigs, but he still has some work outside the test rigs and in the general test rig area.

The Ironworkers cut the ends of 3 previously used jacking rods from TR's 1-4 (for TR's 14-17) with the warehouse bandsaw to bypass bad threads. This work happens about 0800 and takes about 1 hour. Also this morning, they clean the threads on the 2 ungalvanized test rods for TR's 16 & 17 – remove rust from the surface. In the afternoon, starting about 1300, they work at the test rigs. They move and support the end plates from TR's 1-4 (for TR's 14-17) so that the wet chamber sides of the plates are accessible for CCC to do paint repairs. They also remove the rented fence on the south side of the test rigs – stack pieces to the side so that will have easy access for the test rig assembly work and will put the fence back in the future. They complete this work about 1400.

In the morning, CT-METS Elijah Turner and Scott Croff are doing work in the field for AE. They are testing previously used AE sensors. Some of the used AE sensors have issues and cannot be reused.

CT-METS Elijah Turner and Scott Croff also work in the afternoon (1300 - 1400) to field hardness test the stressing end of all 4 test rods for TR's 14-17. They test rod ID's EB-2-03, EB-2-08, SK-3-06, and SK-3-13. These rods were also hardness tested last week on Friday 5/2/2014 and this is a retest. The dead end was also hardness tested yesterday afternoon.

CT-METS Saied Khan and Danny Reyes are at the test rigs in the afternoon to take photos inside the dry chambers to document the rust in the uncoated areas of the test rigs. They take photos inside of TR's 1-3 (future TR's 14-16) so that the rust can be documented before ABF grinds to remove the rust so that CT-



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METS can then take UT thickness measurements at the DJV's request.

VGO arrived on site yesterday to perform prep work on the 4 test rods so that they can be installed soon in the test rigs. Two from VGO – Rob Rutledge and Pamela Wallace – continue work this morning and fly out of the Bay Area this afternoon. They start on site today at 0700 and leave the site at 1100 to go to the airport to fly out. The work is in the warehouse where the test rods are located. They continue grinding today after starting yesterday and are complete with grinding about 0930. Then they lay out the strain gauge locations and take diameter measurements, with this being complete about 1030. Then they go to the former TR's 1-4 (to be TR's 14-17) location to measure wire run lengths. The old wire runs from TR's 1-4 are still in place, but they have not been used in many months, have been under water during times in the winter, and have been run over several times by ABF equipment. We had been planning to reuse the wire runs, but VGO has some concerns, so the existing wires are pulled out by VGO today and lengths are measured for new wire runs. VGO will prefabricate the wire runs in Oregon and bring them to the site when they return in a few weeks for installing the instrumentation.

A 7kW generator – Whisperwatt 7000 – ABF ID 002343 is used at the test rig work area all day by the laborer who is cleaning with a shop vacuum. A 40kW generator – MQ Power 40 – ABF ID 002051 is on idle/standby at the test rig work area. A Hydraulic Pump for running the jacks is on idle/standby at the test rig work area. An oxyacetylene torch is on idle/standby at the test rig work area. A compressor – IR P185 ABF ID 000002 is on idle/standby at the test rig work area. A Kubota Cart is used by the laborer today. A small forklift (CAT) and an extendable forklift are used by the ironworkers. The warehouse bandsaw is used for about an hour.

Note that there is k-rail at this work area. Some of the k-rail is rented and addressed by the rental agreement. Some of the k-rail is ABF's k-rail used on site and paid as rented from ABF on a daily basis. To elevate the k-rail, crane mats and timber blocking (12x12's) are in use. The k-rail quantities are as follows:

10' bought k-rail = 20 pieces

10' ABF k-rail = 4 pieces

20' rented k-rail = 10 pieces

20' ABF k-rail = 10 pieces

Note that this includes three 20' ABF k-rail between the CCO 314 work area and FW Spencer's yard, with that k-rail being in place prior to the CCO work and not related to CCO 314. Also a fourth 20' ABF k-rail is between the CCO 314 work area and FW Spencer's yard along the fence line near the BayView Trailer. Seven of the ABF 20' k-rail are in TR's 1-4.

The agreed extra work with ABF is as follows:

Laborer Carlos (Pedro) Garcia - 8 hrs

Ironworker Jared Garrett - 5.5 hrs

Ironworker Kyle Crowley - 5.5 hrs

Kubota Cart - 8 hrs

7kW Generator - 8 hrs

Vacuum Cleaner - 8 hrs

Extendable Forklift - 4 hrs

Small Forklift - 4 hrs

Radios (3 radios) - 19 hrs

k-rail: 6 pcs @20' and 4 pcs @10'

Crane Mats (12x12 - 5'x16') - 2 pcs

Crane Mats (12x12 - 5'x7') - 8 pcs

See the attached Extra Work Order - Signed with ABF for CCO 314 work